(19) 世界知的所有権機関 国際事務局



(43) 国際公開日 2001年4月12日(12.04.2001)

PCT

(10) 国際公開番号 WO 01/25475 A1

(51) 国際特許分類7:

C12Q 1/26, 1/37, G01N 30/88

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(21) 国際出願番号:

PCT/JP00/06808

(81) 指定国 (国内): US.

5盛ビル3階 Tokyo (JP)

(22) 国際出願日:

2000年9月29日(29.09.2000)

(25) 国際出願の言語:

日本語

(84) 指定国 (広域): ヨーロッパ特許 (AT, BE, CH, CY, DE, DK, ES, FL, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

(26) 国際公開の言語:

日本語

(30) 優先権データ: 1999年10月1日(01.10.1999) ア 特願平11/280941

添付公開書類: 国際調查報告書

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2文字コード及び他の略語については、 定期発行される 各PCTガゼットの巻頭に掲載されている「コードと略語 のガイダンスノート」を参照。

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(54) Title: METHOD OF ASSAYING GLYCOPROTEIN

(54) 発明の名称: 糖化蛋白質の測定方法

(57) Abstract: A novel method of accurately assaying a glycoprotein by a simple procedure within a short period of time on the basis of a principle different from the existing enzymatic method. A method of assaying a glycoprotein in a sample which comprises treating the sample containing the glycoprotein with a protease, thus releasing glycopeptides (preferably α -glycopeptides and still preferably α -glycodipeptides) from the glycoprotein, treating these released glycopeptides with an oxidase, and assaying the hydrogen peroxide thus formed; and an assay reagent kit to be used in the enzymatic method.

(57) 要約:

既存の酵素的方法とは異なる原理に基づく、簡単な操作で、短時間でしかも精度 よく糖化蛋白質を測定する新規な方法を提供する。

糖化蛋白質を含む試料をプロテアーゼで処理し、糖化蛋白質から糖化ペプチド、 好ましくは□一糖化ペプチド、特に好ましくは□一糖化ジペプチドを遊離させ、これ らの遊離した糖化ペプチドにオキシダーゼを作用させ、生成する過酸化水素を測定 することにより、試料中の糖化蛋白質を測定する方法、および酵素的方法に用いる 測定用試薬キットである.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13548

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ Cl2P21/02, Cl2N9/24, Cl2Q1/34, G01N33/68			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ Cl2P21/02, Cl2N9/24, Cl2Q1/34, G01N33/68			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE, BIOSIS/WPI (DIALOG), SwissProt/PIR/Geneseq			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
A		cal Industry Co.,	1-8
A	JP 11-155579 A (Kikkoman Cor 15 June, 1999 (15.06.99), (Family: none)	p.),	1-8
A	JP 2001-955598 A (Kikkoman C 10 April, 2001 (10.04.01), & WO 01/245475 Al (Family: none)	orp.),	1-8
Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	<u> </u>
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family "Z" Date of mailing of the international search report 24 December, 2003 (24.12.03)			
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Faccimile	To .	Telephone No.	